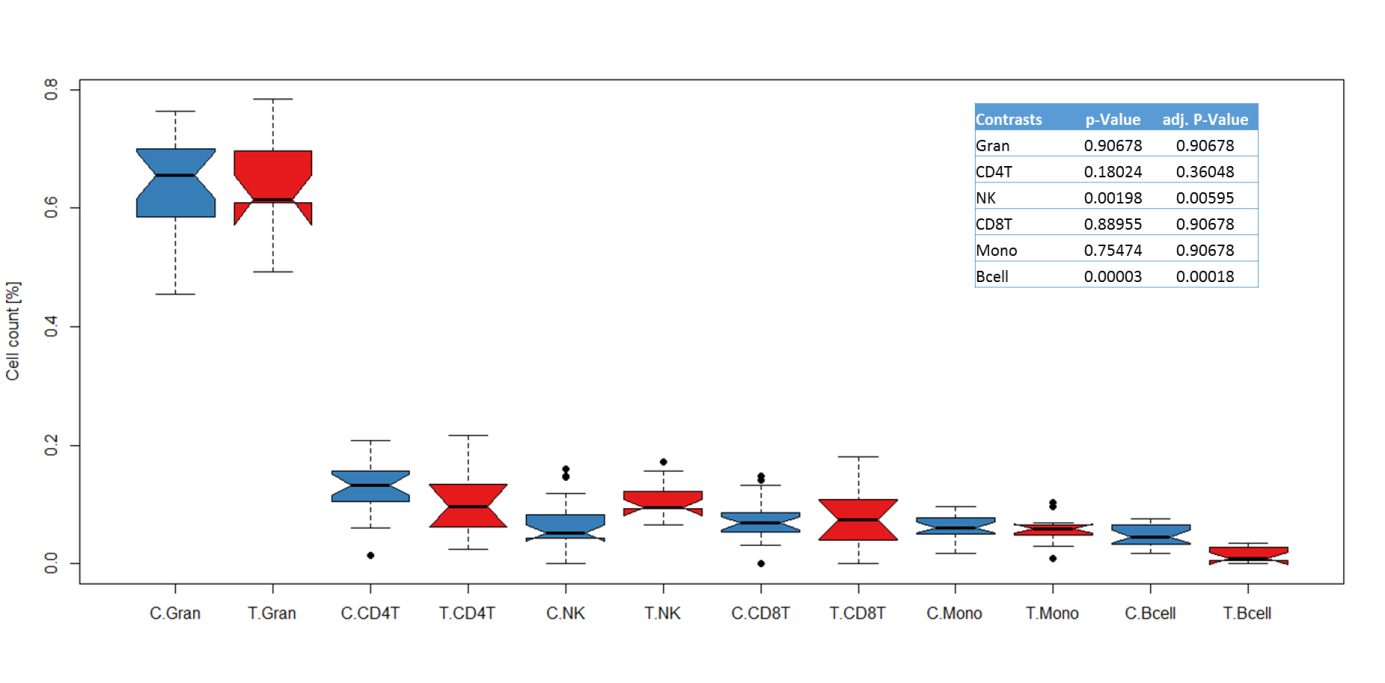
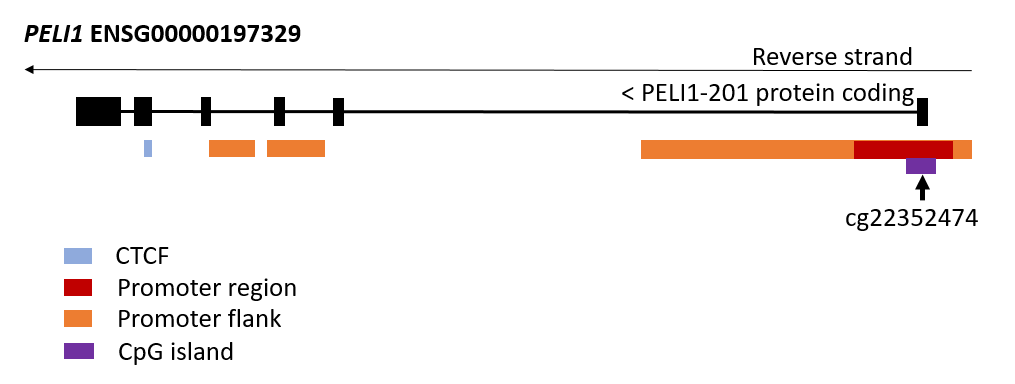
**Supplementary Figures:**



**Additional file 1: Figure S1.** Boxplots of estimated blood cell composition based on methylation array profiles of cell-type-specific CpGs. Median is represented by a horizontal line. The top of the box indicates the 75th percentile, the bottom the 25th percentile. Black dots represent outliers. The Y-axis shows the percentage of a given cell type. On the X-axis C indicates controls and T trisomy 21 patients. The table indicates the (FDR-adjusted) p-values of a Wilcoxon-Mann–Whitney test comparing the means between controls and T21 patients.



**Additional file 1: Figure S2:** cg22352474 is located within a CpG island in the promoter region of the *PELI1* gene. The figure was adapted according to ENSG00000197329 (ENSMBL release GRCh38.p12).